## SPECIFICATION

The present invention refers to a container for electronic apparatus such as personal computers, compact disc readers and for objects of one's own or professional use in general, writing and drawing tools, etc.

At present, the housing and transportation of such portable device is made by using fabric bags, usually stuffed to protect the same devices against slight knocks and the contact thereof with other objects.

One of the drawbacks of the known portable bags for computers lies in the substantial impossibility of using the computer inside its case. In fact, when such devices are used, they must be fully withdrawn from the relevant cases which, generally, hamper the normal use of the computer even if they are kept open.

A further drawback lies in the fact that the bags currently on the market allow using the computer only after the latter has been removed from the same bags and that a base, such as a table, is required for supporting it.

The main object of the present invention is to overcome the said drawbacks.

This result has been achieved, according to the invention, by adopting the idea of making a container for portable electronic apparatus having the features disclosed in the claim 1. Further characteristics being set forth in the dependent claims.

The advantages deriving from the present invention lie essentially in the fact that it is possible using a portable electronic apparatus inside the container in question; that the container allows one or more support planes to be used in conjunction with the computer; that the opening and closing of container are easily and conveniently achieved; that the container in question can form the envelope or outer part of the same apparatus; that the present container makes it possible to use the relevant while the user stands up; that equipment container can be made from plastics material with significant saving in the whole production process; that the container results considerably robust and resistant; that the container includes a number of components and, accordingly, is effective as far as the manufacturing and stockcontrol steps are concerned.

These and other advantages and characteristics of the invention will be best understood by anyone skilled from reading of the following in art a description in conjunction with the attached drawings exemplification given as a practical invention, but not to be considered in a limitative sense, wherein:

- Figs. 1A, 1B, 1C, 1D, 1E, 1F show schematically an exemplary embodiment of a container according to the present invention in, respectively, a perspective view of a closed configuration thereof (Fig. 1A), a perspective view of an open configuration thereof

- (Fig. 1B), a perspective view of a second opening configuration thereof (Fig. 1C), a perspective view similar to the previous one, but with additional details (Fig. 1D), a plan view with phantom parts of a closed configuration thereof (Fig. 1E); a plan view with phantom parts of an open configuration thereof (Fig. 1F);
- Figs. 2A, 2B, 2C, 2D, 2E, 2F show schematically a further exemplary embodiment of a container according present invention in, respectively, to the perspective view of a closed configuration thereof 2A), a side view of closed configuration thereof (Fig. 2B), a view in section on line B-B of (Fig. 2C), a plan view of configuration thereof (Fig. 2D), a side view on an open configuration thereof (Fig. 2E), a view section on line A-A of Fig. 2D (Fig. 2F);
- Figs. 3A, 3B, 3C, 3D show schematically a further exemplary embodiment of a container according to the present invention in, respectively, a perspective view of an open configuration thereof (Fig. 3A), a back view of a closed configuration (Fig. 3B), in a side view of a closed configuration (Fig. 3C), in a partial perspective view of an enlarged detail (Fig. 3D);
- Fig. 4 shows schematically possible exemplary utilizations of the present invention.
- With reference to the figures of the attached drawings, and in particular to Figs. 1A-F, a container (1) for portable electronic apparatus and

instruments for one's own and/or professional use, according to the invention, comprises: an openable case (2, 3) holding therein at least a movable plane (5).

The openable case is composed of a first half-shell (2) and a second half-shell (3) disposed substantially coplanar and connected to each other via a relevant hinge (4) in correspondence of a common corner so that they can be disposed at least in a closed configuration in which they are side by side, and an open position in which they are separate.

The half-shells (2, 3) have a box-like shape being open in correspondence of a juxtaposed face, and are substantially rectangular in plan view. Advantageously, the two half-shells can be like each other: in this way it is possible to reduce the number of components required for making the container.

The movable plane (5), as above said, can be positioned internally of the half-shells (2, 3). More particularly, more than one plane can be provided, for example in number of two, as in the illustrated examples.

Means are also provided for guiding the movement of plane (5) relative to the half-shells (2, 3), which means consist of gudgeons or pins (6) sliding inside corresponding guides or slots (7, 8).

In particular, as shown by the examples, the pins (6) are associated with the half-shells (2, 3), whereas

the guides (7, 8) are associated with the plane (5). The plane (5) has a substantially rectangular shape with a side of curvilinear development; along its two parallel sides, the plane (5) has two parallel sideguides (7) joined to each other by a curved guide (8) located in correspondence of the curved portion of the plane (5).

As above mentioned, the pins or gudgeons (6) seated within the guides of plane (5); upon opening the container (1), as the two half-shells (2, 3) are stretched apart (directions of arrows R), the pins (6) slide in the opposite portions of the guide (8) moving towards the outside of the plane (5), that is, up to one end of the side guides (7). In practice, the two ends of the guide (8) meet with the two side quides (7) thereby allowing the transit of the pins (6) in the latter guides. The insertion of the pins makes into the quides (7) it possible a centrifugal and centripetal displacement (see arrows F) of the movable plane (5) relative to the two halfshells (2, 3). In one embodiment, not shown, the pins (6) can be associated with the plane (5), and the quides (7, 8) can be associated with the half-shells (2, 3).

Either above or below the plane (5) provision is made for a second movable plane (50) which is, in turn, able to slide relative to plane (5). The movement between the two planes is made possible by further pins or projections (60) associated with the half-shells (or with the planes) and sliding in

corresponding guides associated with the planes (or with the half-shells). In the embodiment shown more clearly in Fig. 2C, the two half-shells (2, 3) exhibit respective inner flaps (22, 33), that is, two half-partitions to be used for their interaction with each or both of the planes (5, 50) held inside the container (1).

In the embodiment illustrated in Fig. 1D, the halfshells (2, 3) exhibit relevant additional storing elements (21, 31) which are joined to respective half-bodies (2, 3) in correspondence of the two sides of same half-bodies; the additional storing elements (21, 31) are connected to the half-bodies, along the remaining three sides, by means of hinges (24, 34) which allow the opening and closing of the additional storing elements (21, 31). The additional elements (21, 23) can be provided inside with one or pockets such as those (23) of element (21)illustrated by the drawing.

In the embodiments illustrated in Figs. 2A-F, 3A-D, the container (1) is provided with an outer element (9), for the connection and guide between of said half-shells (2, 3), allowing the same half-shells to rotate about the hinge (4). The connection element (9) has a substantial "C" shape in cross-section and surrounds the half-bodies (2, 3). The element (9) is provided with two pins or gudgeons (90) with heads (99) having larger cross-section, provision being also made for corresponding guides (29, 39) inside which the said heads (99) of pins (90) are seated and

can slide over a predetermined length, so as to allow a stable positioning of the container in a closed configuration, in which the two half-shells result each other, brought near to and an open configuration, in which the two half-shells (2) define an angle of preset amplitude (which is 90° in the non-limiting illustrated example). The guides (29, 39) being able to be closed by relevant plugs (98).

Moreover, in the example of Fig. 3A, the half-bodies (2, 3) are provided with additional extractable elements (210, 310). Said elements (210, 310) may consist of drawers being movable, for example, in the directions (V) or (W) in Fig. 3A. To obtain such movements, the half-bodies (2, 3) will be provided with corresponding guides (not shown) wherein said drawers can slide.

In practice, with the present invention, the concept of a storing volume provided by traditional bags is replaced by a novel solution idea based on support surfaces provided by the container (1), so as to use the apparatus held therein without extracting it therefrom and using the same container in conjunction with the apparatus.

In a further embodiment, shown schematically in Fig. 4, the parts making up the container can also be parts of the apparatus. By way of example, the plane (5) may consist of a video screen and the half-shells may contain, at least in part, the section relative to the processing unit of a personal computer.